

## Recovery Plan Action Status

**Plan Name: South Florida Multi-Species Recovery Plan (68 spp.)**

**Plan Status: Final**

**Plan Date: 18-May-99**

**Lead Agency: USFWS**

**Lead Office: South Florida Ecological Services Field Office**

**(562-3909 )**

Species	Action Priority #	Action #	Action Description	Action Status	Est. Initiation Date	Est. Completion Date	Responsible Parties	Work Type	Labor Type	Action Comments
Small's milkpea (Galactia smallii)	1	gasm-h1.1	Protect pine rockland habitat of Small's milkpea (Galactia smallii).	Ongoing Current	FY 1995 - FY 1999		South Florida counties	Acquisition, Acquisition: Easement, Other: Law Enforcement	Labor type not yet selected	Cost will vary depending on specific needs. Action lead(s): FWS
Small's milkpea (Galactia smallii)	2	gasm-h1.2	Protect or acquire private owned sites.	Partially Complete	FY 2006		Florida Department of Environmental Protection, Florida Fish and Wildlife Conservation Commission, South Florida counties	Acquisition: General, Management: General, Other: Regulations	Labor type not yet selected	Cost dependent upon specific site and amount of land acquired. Action lead(s): FWS
Small's milkpea (Galactia smallii)	1	gasm-h1.3.1	Eliminate human-caused degradation.	Not Started			South Florida counties	Work type not yet selected	Labor type not yet selected	Action lead(s): FWS
Small's milkpea (Galactia smallii)	1	gasm-h1.3.2	Control invasive plant species, particularly exotics.	Ongoing Current	FY 1995 - FY 1999		South Florida counties	Work type not yet selected	Labor type not yet selected	Cost is per acre (ex. 1.0/acre); Total cost dependent upon number of acres infested with exotics. Action lead(s): FWS
Small's milkpea (Galactia smallii)	1	gasm-h2.1	Eliminate physical degradation of habitat and restore to optimal conditions.	Not Started			South Florida counties	Work type not yet selected	Labor type not yet selected	Cost is per acre (ex. 0.5/acre); Total cost dependent upon number of acres restored. Action lead(s): FWS
Small's milkpea (Galactia smallii)	2	gasm-h2.2	Continue to refine best management practices for pine rocklands.	Ongoing Current	FY 2000 - FY 2004		Non-governmental organizations	Management: Planning	Labor type not yet selected	Best management practices have been developed (Miami-Dade County Natural Areas Management Working Group 2004). Action lead(s): FWS

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Small's milkpea ( <i>Galactia smallii</i> )	2	gasm-h2.3	Management plans for sites including <i>G. smallii</i> should be implemented and modified as necessary for the benefit of this species.	Ongoing Current	FY 1995 - FY 1999		Department of Environmental Resources Management, South Florida counties	Management: Planning	Labor type not yet selected	Cost dependent upon the management plan implemented. Action lead(s): FWS
Small's milkpea ( <i>Galactia smallii</i> )	1	gasm-h2.4	Continue to conduct prescribed burns.	Ongoing Current	FY 1995 - FY 1999		Department of Environmental Resources Management, Florida Division of Forestry, South Florida counties	Management: Habitat Maintenance and Manipulation	Labor type not yet selected	Cost is per acre (ex. 1.0/acre); Total cost dependent upon number of acres burned. Action lead(s): FWS
Small's milkpea ( <i>Galactia smallii</i> )	1	gasm-h3.0	Continue to investigate and refine the habitat needs of each species.	Not Started			Non-governmental organizations	Work type not yet selected	Labor type not yet selected	Action lead(s): FWS
Small's milkpea ( <i>Galactia smallii</i> )	1	gasm-h4.1	Monitor sites with <i>G. smallii</i> restoration programs to determine success.	Not Started			Non-governmental organizations	Work type not yet selected	Labor type not yet selected	Action lead(s): NGO
Small's milkpea ( <i>Galactia smallii</i> )	1	gasm-h4.2	Investigate fire history and incorporate into management strategies.	Ongoing Current	FY 1995 - FY 1999		Department of Environmental Resources Management, Florida Division of Forestry	Management: Planning, Research: Management Techniques	Labor type not yet selected	Action lead(s): FWS
Small's milkpea ( <i>Galactia smallii</i> )	1	gasm-h4.3.1	Assess the GIS data.	Ongoing Current	FY 1995 - FY 1999		Department of Environmental Resources Management, Private industry, landowners, etc.	Research: Other Information	Labor type not yet selected	Action lead(s): private
Small's milkpea ( <i>Galactia smallii</i> )	1	gasm-h4.3.2	Create coverage of population locations.	Not Started			Department of Environmental Resources Management, Non-governmental organizations	Work type not yet selected	Labor type not yet selected	Action lead(s): DERM, counties
Small's milkpea ( <i>Galactia smallii</i> )	1	gasm-h4.3.3	Acquire recent imageries of the sites.	Not Started			South Florida counties	Work type not yet selected	Labor type not yet selected	Action lead(s): counties
Small's milkpea ( <i>Galactia smallii</i> )	1	gasm-h4.3.4	Distribute the coverages.	Not Started			South Florida counties	Work type not yet selected	Labor type not yet selected	Action lead(s): counties

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Small's milkpea ( <i>Galactia smallii</i> )	1	gasm-h5.0	Continue implementation of the fire education program and modify as necessary, any fire management education program that has been developed.	Ongoing Current	FY 1995 - FY 1999		Department of Environmental Resources Management, South Florida counties	Other: Information and Education	Labor type not yet selected	Action lead(s): counties
Small's milkpea ( <i>Galactia smallii</i> )	2	gasm-s1.1	Inventory known populations.	Ongoing Current	FY 1995 - FY 1999		Department of Environmental Resources Management, South Florida counties	Research: Population Assessment	Labor type not yet selected	Action lead(s): FWS
Small's milkpea ( <i>Galactia smallii</i> )	1	gasm-s1.2	Search for additional populations of <i>G. smallii</i> .	Ongoing Current	FY 1995 - FY 1999		Department of Environmental Resources Management, South Florida counties	Research: Population Surveys	Labor type not yet selected	Action lead(s): FWS
Small's milkpea ( <i>Galactia smallii</i> )	1	gasm-s1.3	Map distribution of known populations and suitable habitat.	Not Started			Department of Environmental Resources Management, South Florida counties	Work type not yet selected	Labor type not yet selected	Action lead(s): DERM, NGO
Small's milkpea ( <i>Galactia smallii</i> )	2	gasm-s2.1	Augment natural populations of <i>G. smallii</i> , where appropriate.	Not Started			Non-governmental organizations	Work type not yet selected	Labor type not yet selected	Action lead(s): FWS
Small's milkpea ( <i>Galactia smallii</i> )	2	gasm-s2.2.1	Conserve germ plasm.	Ongoing Current	FY 1995 - FY 1999		Non-governmental organizations	Management: Other	Labor type not yet selected	Action lead(s): NGO
Small's milkpea ( <i>Galactia smallii</i> )	2	gasm-s2.2.2	Study the feasibility of translocating propagules into historically appropriate and protected natural habitats.	Not Started			Non-governmental organizations	Work type not yet selected	Labor type not yet selected	Action lead(s): NGO
Small's milkpea ( <i>Galactia smallii</i> )	2	gasm-s2.3.1	Use reintroduction protocols established by the conservation community.	Not Started			Non-governmental organizations	Work type not yet selected	Labor type not yet selected	Action lead(s): NGO
Small's milkpea ( <i>Galactia smallii</i> )	2	gasm-s2.3.2	Monitor the experimental outplantings.	Not Started			Non-governmental organizations	Work type not yet selected	Labor type not yet selected	Action lead(s): NGO

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Small's milkpea ( <i>Galactia smallii</i> )	3	gasm-s2.4.1	Initiate section 7 consultation when applicable.	Ongoing Current	FY 1995 - FY 1999		U.S. Bureau of Land Management, U.S. Department of Agriculture, U.S. Geological Survey, Biological Resources Division, U.S. Geological Survey, U.S. Environmental Protection Agency, U.S. Army Corps of Engineers, Natural Resources Conservation Service, United States Coast Guard, U.S. Air Force	Other: Regulations	Labor type not yet selected	Cost included in standard operating procedures of Federal agency's budget. Action lead(s): All Federal agencies
Small's milkpea ( <i>Galactia smallii</i> )	2	gasm-s2.4.2	Encourage implementation of management plans.	Ongoing Current	FY 1995 - FY 1999		Department of Environmental Resources Management, South Florida counties	Management: Planning	Labor type not yet selected	Cost dependent upon the management plan implemented. Action lead(s): FWS
Small's milkpea ( <i>Galactia smallii</i> )	3	gasm-s2.4.3	Continue to enforce take and trade prohibitions.	Ongoing Current			Florida Department of Agriculture and Consumer Services/Division of Plant Industry	Other: Law Enforcement	Labor type not yet selected	Cost included in standard operating budgets of participating agencies. Action lead(s): FWS
Small's milkpea ( <i>Galactia smallii</i> )	1	gasm-s3.1	Study the reproductive biology of <i>G. smallii</i> .	Not Started			Non-governmental organizations	Work type not yet selected	Labor type not yet selected	Action lead(s): FWS, NGO
Small's milkpea ( <i>Galactia smallii</i> )	2	gasm-s3.2	Study the response of <i>G. smallii</i> to habitat management treatments.	Not Started			Non-governmental organizations	Work type not yet selected	Labor type not yet selected	Action lead(s): FWS, NGO
Small's milkpea ( <i>Galactia smallii</i> )	1	gasm-s3.3	Study the fire ecology of <i>G. smallii</i> .	Not Started			Department of Environmental Resources Management, Non-governmental organizations, Florida Division of Forestry	Work type not yet selected	Labor type not yet selected	Action lead(s): FWS
Small's milkpea ( <i>Galactia smallii</i> )	2	gasm-s3.4	Determine population size and viability of all populations.	Not Started			Department of Environmental Resources Management, Non-governmental organizations	Work type not yet selected	Labor type not yet selected	Action lead(s): NGO

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Small's milkpea ( <i>Galactia smallii</i> )	2	gasm-s3.5	Characterize the habitat and identify suitable sites for experimental outplantings.	Not Started			Department of Environmental Resources Management, Non-governmental organizations	Work type not yet selected	Labor type not yet selected	Action lead(s): FWS, NGO
Small's milkpea ( <i>Galactia smallii</i> )	1	gasm-s3.6	Conduct genetic studies to document the genetic variation within and between populations.	Not Started			Department of Environmental Resources Management, Non-governmental organizations	Work type not yet selected	Labor type not yet selected	Action lead(s): NGO
Small's milkpea ( <i>Galactia smallii</i> )	2	gasm-s3.7	Apply and modify, if need be, reintroduction protocols established by the conservation community.	Not Started			Department of Environmental Resources Management, Non-governmental organizations	Work type not yet selected	Labor type not yet selected	Action lead(s): FWS
Small's milkpea ( <i>Galactia smallii</i> )	1	gasm-s4.1	Collect existing and historical data and place in a central location.	Ongoing Current	FY 1995 - FY 1999		Department of Environmental Resources Management, South Florida counties	Other: Administration	Labor type not yet selected	Action lead(s): NGO
Small's milkpea ( <i>Galactia smallii</i> )	2	gasm-s4.2	Convene a meeting of researchers and land managers.	Not Started			Department of Environmental Resources Management, South Florida counties	Work type not yet selected	Labor type not yet selected	Action lead(s): FWS, NGO
Small's milkpea ( <i>Galactia smallii</i> )	2	gasm-s4.3	Monitor status and success of all populations; change management practices if so indicated.	Not Started			Department of Environmental Resources Management, Non-governmental organizations	Work type not yet selected	Labor type not yet selected	Action lead(s): NGO
Small's milkpea ( <i>Galactia smallii</i> )	2	gasm-s4.4	Monitor reintroduction success and modify procedures as necessary.	Not Started			Department of Environmental Resources Management, Non-governmental organizations	Work type not yet selected	Labor type not yet selected	Action lead(s): FWS
Small's milkpea ( <i>Galactia smallii</i> )	1	gasm-s5.0	Continue to provide public information about pine rocklands and their unique flora.	Ongoing Current	FY 1995 - FY 1999		Department of Environmental Resources Management, South Florida counties	Other: Information and Education	Labor type not yet selected	Action lead(s): FWS